# 506952496 11/01/2021 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
CONVEYING PARTY DATA	Name	Execution Date	

L		
	RUIYUN ZHANG	08/30/2021
l	CHENGZHUANG LU	08/30/2021
l	HAO LI	08/30/2021
l	SHISEN XU	08/30/2021
l	BAOMIN WANG	08/30/2021
l	GUANJUN YANG	08/30/2021

# **RECEIVING PARTY DATA**

Name:	HUANENG CLEAN ENERGY RESEARCH INSTITUTE
Street Address:	LAB BLOCK A, HUANENG BASE, BEIQIJIA FUTURE SCIENCE PARK
Internal Address:	CHANGPING DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	102209

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17512293

### **CORRESPONDENCE DATA**

Fax Number:	(716)	849-0349
•		e-mail address first; if that is unsuccessful, it will be sent at is unsuccessful, it will be sent via US Mail.
Phone:	(716)	856-4000
Email:	ipdoc	keting@hodgsonruss.com
Correspondent Name:	HOD	GSON RUSS LLP
Address Line 1:	140 F	PEARL STREET
Address Line 2:	SUITI	E 100
Address Line 4:	BUFF	ALO, NEW YORK 14202
ATTORNEY DOCKET NUMBER	:	075559.10224
NAME OF SUBMITTER:		BLAIR K. ANDREWS
SIGNATURE:		/blair k andrews/

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# PAIENI **REEL: 057979 FRAME: 0347**

DATE SIGNED:	11/01/2021	
Total Attachments: 2 source=075559-10224-Assignme source=075559-10224-Assignme		

#### **ASSIGNMENT OF INVENTION**

WHEREAS, we, **Jian CHENG**, Lab Block A, Huaneng Base, Beiqijia Future Science Park, Changping District, Beijing 102209, China; **Ruiyun ZHANG**, Lab Block A, Huaneng Base, Beiqijia Future Science Park, Changping District, Beijing 102209, China; **Chengzhuang LU**, Lab Block A, Huaneng Base, Beiqijia Future Science Park, Changping District, Beijing 102209, China; **Hao LI**, Lab Block A, Huaneng Base, Beiqijia Future Science Park, Changping District, Beijing 102209, China; **Shisen XU**, Lab Block A, Huaneng Base, Beiqijia Future Science Park, Changping District, Beijing 102209, China; **Baomin WANG**, Lab Block A, Huaneng Base, Beiqijia Future Science Park, Changping District, Beijing 102209, China; and **Guanjun YANG**, Lab Block A, Huaneng Base, Beiqijia Future Science Park, Changping District, Beijing 102209, China, have invented certain new and useful improvements in a ELECTROLYTE REPLENISHMENT METHOD FOR MOLTEN CARBONATE FUEL CELL STACK, for which a national phase patent application for Letters Patent in the United States is being filed, based upon International Application No. PCT/CN2020/121292 filed on October 15, 2020, claiming priority to Chinese Patent Application No. 201911223026.1 filed on December 03, 2019;

AND WHEREAS, HUANENG CLEAN ENERGY RESEARCH INSTITUTE, Lab Block A, Huaneng Base, Beiqijia Future Science Park, Changping District, Beijing 102209, China, is desirous of acquiring all interest in said invention, said application, and in any Letters Patent which may be granted therefor;

AND WHEREAS, at the time the invention was made, we were under an obligation to assign all of our right, title, and interest in said invention to HUANENG CLEAN ENERGY RESEARCH INSTITUTE

NOW THIS INDENTURE WITNESSETH, that for the sum of one dollar and other valuable consideration to us in hand paid, the receipt of which is hereby acknowledged, we hereby assign, sell, and transfer unto said HUANENG CLEAN ENERGY RESEARCH INSTITUTE our entire right, title, and interest in said invention, said application, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights, rights under the International Convention For The Protection Of Industrial Property, rights under the Patent Cooperation Treaty, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to said HUANENG CLEAN ENERGY RESEARCH INSTITUTE as the assignee of the whole right, title, and interest thereto.

And we further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and for obtaining any reissue or reissues of any Letters Patent which may be granted for our aforesaid invention, as the assignee thereof shall hereafter require and prepare at its own expense.

WITNESS, our signature and date of execution:



Date	2021. 8.30
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**RECORDED: 11/01/2021**